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PYLE & PIONTEK LLC

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VMS-40004

**SUBSTITUTE DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare:

That my residence, post office address and citizenship are as stated below next to my name.

That I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DIGITAL SIGNAL PROCESSING WITH IMPROVED MAPPING**

the specification of which (check one)

( ) is attached hereto.  
(X) was filed on May 5, 2008 as  
Application Serial No. 10/578,389  
and was amended on \_\_\_\_\_  
(if applicable)

That I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

That I acknowledge the duty to disclose information known to be material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

That I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

0326167.4  
(Number)

Great Britain  
(Country)

November 10, 2003  
(Day/Month/Year Filed)

X ☐  
Yes No

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

☐ ☐  
Yes No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

That I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

United States Application(s)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)-(Patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)-(Patented, pending, abandoned)

This application is a National stage of PCT application No. PCT/GB2004/004741 filed November 10, 2004.

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

I hereby appoint Thomas R. Vigil, Registration Number 24,542, Michael Piontek, Registration Number 25,605 and Robert A. Lloyd, Registration No. 25,694, the attorneys associated with Customer No. 66919, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith and request that all correspondence and telephone calls in respect to this application be directed to Thomas R. Vigil at PYLE & PIONTEK, 221 N. LaSalle, Room 2036, Chicago, IL 60601, Telephone 312 236 8123.

Full name of sole or one  
joint inventor:  
Inventor's signature:

MICHAEL HOBSON

Date:

11 November 2008

Residence & Post Office Address:  
STREET

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HERBERT

CAMBRIDGE GREAT BRITAIN CB4

1A0

Citizenship:

GREAT BRITAIN

Full name of sole or one  
joint inventor:  
Inventor's signature:

CHARLES MCLACHLAN

C. McLachlan

Date:

11 November 2008

Residence & Post Office Address

24 WEAVERS FIELD

CAMBRIDGE GREAT BRITAIN CB3

QXB

Citizenship:

GREAT BRITAIN

Full name of sole or one  
joint inventor:  
Inventor's signature:

Date:

Residence & Post Office Address

Citizenship:

Address for Correspondence:

Customer No. 66919  
PYLE & PIONTEK,